

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/048246 A3

(51) International Patent Classification⁷: **G11B 27/10, 20/10**

J. G. [NL/NL]; P.O. Box 220, NL-5600 AE Eindhoven (NL). VAN GESTEL, Wilhelmus, J. [NL/NL]; P.O. Box 220, NL-5600 AE Eindhoven (NL).

(21) International Application Number:

PCT/TB2004/052376

(74) Common Representative: **KONINKLIJKE PHILIPS ELECTRONICS N.V.**; c/o HALAJIAN, Dicran, P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

(22) International Filing Date:

10 November 2004 (10.11.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

(25) Filing Language: English

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

(26) Publication Language: English

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

(30) Priority Data:
60/519,170 12 November 2003 (12.11.2003) US

MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

(71) Applicant (for AE only): **U.S. PHILIPS CORPORATION** [US/US]; 1251 Avenue of the Americas, New York, NY 10020 (US).

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(72) Inventors; and

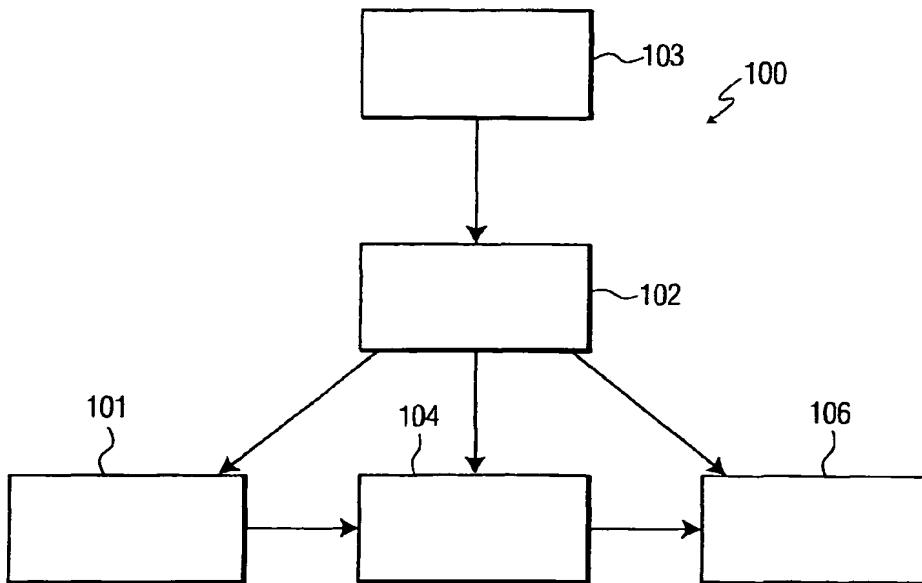
ZW.

(75) Inventors/Applicants (for US only): **HOLTMAN, Koen**,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR REPRODUCING DATA FROM AN OPTICAL STORAGE DEVICE



WO 2005/048246 A3

(57) Abstract: Techniques for improved seamless AB loop play, such as may be implemented in an optical disk reproducing device (100) are provided. In particular, the invention addresses the need for improved seamless AB loop play in an optical disk reproducing apparatus (100) with particular concern for two cases: (1) where the data points A and B are close together and (2) where fragmentation (non-sequential and/or non-contiguous data block storage) exists on the storage medium (101) from which the AB loop play data is to be read.



FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,*

IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

7 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.